



# Umer Din

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## Profile

- A highly efficient and hardworking BSc Industrial Design graduate with a passion to work in a leading industry which aims for a sustainable future where human centered design comes first
- A strong understanding of the importance of how a product should work with the user to increase efficiency and comfort
- A detailed understanding of how to manage design processes and knowledge in a wide range of manufacturing and construction methods to create an efficient production line
- Extensive knowledge on all the design stages of a product, including research, development, manufacture and delivering
- Working well as a team yet independent, able to achieve deadlines, having the ability to produce detailed technical specifications from the requirements of a client

## Skills

- Workshop Prototyping
- Failure analysis
- CAD – Solidworks, 4yrs
- Product Testing
- Electronics
- Concept Sketching
- DFM Reports
- Mathematical modelling
- Stress Testing
- Adobe package
- Concept animation

## Work experience

### Repair Technician 07/2016 - 09/2019

Derby Domestic - Bolton

Responsible for manufacturing and electrical repair to an extensive range of domestic appliance. This involved studying the mechanics of products and how to replace or repair them efficiently and sustainably.

### Sneaker Trader 09/2017 - 2018/12

True wave - Huddersfield

Responsible for sales, marketing and customer communication to provide an efficient trading business for high street footwear. This involved trend forecasting to predict what footwear would be more valuable throughout the year.

### Brand Projects

- **Acce-heal** - Designing a comfortable body strap for an electro therapy device
- **Natasha Allergy Research Foundation** - Redesigning the epipen to be more accessible and practical for younger ages
- **Camira** - Designing a portable apparatus to showcase textiles to clients
- **Wilko** - Designing pasting tables that would reduce cost in manufacturing

## Education

### University of Huddersfield 09/2017 - 05/2020

- BSc Product Design - 2:1

### Loreto College 09/2016 - 06/2017

- 3D Design - A
- Photography - B
- Sociology - B

### Ladybridge High School 09/2010 - 06/2015

- Art - A\*
- Product Design - A\*
- Math-A

## Hobbies

**Taekwondo**                      **Skateboarding**                      **Climbing**                      **Gaming**

## Volunteering

**Penny Appeal** - Charity hikes  
- Fundraising events

**3D Crowd** - 3D printing PPE face shields for  
local medical staff during Covid-19

**Islamic Relief** - Charity Challenges  
- Fundraising events



## Skills in depth

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- **Workshop**

Experience in high end machinery such as injection molding, lathing, vacuum forming, and laser cutting. The ability to create realistic, working prototypes quickly to meet development deadlines. Accuracy and precision play a key role in the production of any model, final or prototype.
- **Computer Aided Design**

A comprehensive understanding of Solidworks with the ability to create complex and accurate CAD files which are manufacture ready. The ability to analyse stress tests to optimise a design for the manufacturer and the user. Experience in flow simulation and molding strategies.
- **Technical Detailing**

The ability to create detailed and professional DFM and NPD reports that can be sent to the manufacturer and the clients. These Reports can show a wide range of knowledge from understanding the market to first year production levels.
- **Product testing**

Understanding the importance of human centered design through testing of aspects such as ergonomics, UX and usability. User testing as well as computer generated testing to ensure products meet requirements.
- **Standardising**

Understanding standards and regulations in different countries and how a product must meet them. Experience in BSI, DIN, CE and ANSI.
- **Communication**

An understanding of the entire design process from research and development to pitching to clients. Experience pitching to live companies, knowing what questions to ask a client to properly understand what they want.
- **Rendering**

Ability to generate photo realistic images and animations using software's such as the adobe package and Keyshot. The ability to create detailed animations to show clients to help them completely understand the product.
- **Electronics**

Experience integrating electronics into products for moving parts or sensing variables. Knowledge in coding using Arduino and a range of sensors including body vital sensors.